AUG 1 7 2004 Please type a plus sign (+) inside this box —> [+] Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE used to respond to a collection of information upless it displays a unit OMB control to the collection of information upless it displays a unit OMB control to the collection of information upless it displays a unit OMB control to the collection of information upless it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information upless it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of information uples it displays a unit of OMB control to the collection of the

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F	ORM	,	First N	amed Inventor	Frank L.	Hall
(to be used for all correspondence after initial filing)			Group	Art Unit	1725	
		,	Examir	ner Name	S. Heinric	ch
			Attorne	ey Docket Number	2269-471	18.1US
		ENCL(OSURES	(check all that apply)		
Postcard receipt acknowledgment (attached to the front of this transmittal)		☐ Information Disclosure Statement, PTO/SB/08A; ☐ copy of cited references		Terminal Disclaimer		
Duplicate copy of this transmittal sheet in the event that additional filing fees are required under 37 C.F.R. § 1.16		Supplemental Information Disclosure Statement; PTO/SB/08A; copy of cited references and Check No. in the amount of \$180.00		Terminal Disclaimer		
Preliminary Amendment		Associate Power of Attorney		Termin	nal Disclaimer	
Response to Restriction Requirement/Election of Species Requirement dated		Petition for Extension of Time and Check No. in the amount of \$				
Amendment in response to office action dated May 13, 2004		Petition				
Amendment under 37 C.F.R. § 1.116 in response to final office action dated		Fee Transmittal Form			Enclosure(s) e identify below):	
Additional claims fee - Check No. in the amount of \$		Certified Copy of Priority Document(s) Assignment Papers (for an Application)				
Letter to Chief Draftsman and copy of FIGS. with changes made in red						
Transmittal of For	mal Drawings	Remar	rks			
Formal Drawings (sheets)		The Commissioner is authorized to charge any additional fees required submitted with any document or request requiring fee payment under 1.16 and 1.17 to Deposit Account 20-1469 during pendency of this appl				
	SIGNA	TURE OF /	APPLIC/	ANT, ATTORNEY, O	R AGENT	
Firm o <i>r</i> Individual name	James R. Duzan	Registration No. 28,393				
Signature	Lames	R. Surfe				
Date	August 13, 2004					
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 10/706,575

Filed: November 12, 2003

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718.1US

(00-0316.01/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 13, 2004

Date

Deborah L. Hendricks

Name (Type/Print)

AMENDMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This amendment is in response to the Office Action of May 13, 2004 whose initial period of response is set to expire on August 13, 2004.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.